E-LIGHT SYSTEM

USER MANUAL

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Ⅰ. Brief Introduction

E-light applies three core technology, IPL, RF, and epidermis cooling. It combines the advantage of IPL and RF, in one hand, the skin absorbs IPL energy selectively, and the skin also absorbs RF energy, on the other hand, the RF-surface-touch cooling technology removing the discomfort and complications by high heat of IPL. Therefore, the effect and safety of E-light makes a breakthrough.

1.Principle

Applying the technique of IPL and Bi-polar Radio Frequency, the equipment acts on the entire skin corium and connective tissue, stimulates the collagens of different depth to realign and grow, then gets treatment effect. Bio-polar RF release energy at the same time, with the selective absorption for the skin to light energy, various pathological tissues of corium and epidermis creates Photothermolysis effect. Since light energy is far below conventional IPL, the pigment tissue and vascular pathological tissue of the corium and epidermis would absorb more energy without injuring the epidermis, and then remove these pathological tissues better and get the effect.

2. Application：

1. Hair removal;
2. Skin rejuvenation;Wrinkle removal, fact lifting;
3. Removing freckle, age spots, sun spots, chloasma, pigmentation troubles, etc;
4. Vascular removal;
5. Acne treatment.

3. System Self-checking

The circuit of system entering the self-checking situation when the machine starts, leave the machine carry on the self-checking for 5-10 seconds, then continue the operation.

4. System Classification

Electric shock protection：Grade1　　BF Grade

Corrosion prevention liquid：ordinary

Do not use the machine in the environment mixed of flammable narcotic and air or nitrogen

oxide mixture.

5. Equipment Consist, Specification, and Accessory List

1. Equipment Consist:

1.1. Mainframe

A. Power supply system

B. Microcomputer system

C. Monitor

D. Cooling System

1.2. E-light Handpiece

A. Intense pulsed light source, xenon lamp

B. Reflector and filter

C. Sapphire wave guide

2. Technique Specification

- IPL power: 800W
- Light Energy: 15－50J/cm2
- RF energy: 1-30
- HR.SR Spectra: 530-1200nm
- Cooling: water+air+semi-conductor
- Spot size: 8×40mm
- N.W.: 50kg
- Dimension: 550mm×520mm×1050mm
- Voltage: 110V± 10%, 50~60Hz; 230V±10%, 50~60Hz

3. Accessory List

No.	Item	Unit	Qty	Remark
1	Main frame	set	1	in the main case
2	SR Handpiece	pc	1	in the lateral foam box
3	HR Handpiece	pc	1	in the lateral foam box
4	Power Cord	pc	1	in the lateral foam box
5	Key Switch	pc	2	in the lateral foam box
6	Goggles for Operator	pair	1	in the lateral foam box
7	Goggles for Patient	pair	1	in the lateral foam box
8	Spare Water Plugs	pc	1	in the lateral foam box
9	Spare fuses	pc	1	in the lateral foam box
10	User Manual	pc	1	in the lateral foam box
11	Gel	pc	2	in the lateral foam box

Ⅱ. Standard Treatment Process

2.1 Form filling

Fill in the blanks of the Client File, confirm the treatment program, remind the client pay attention to some points before and after treatment.

2.2 Face cleaning

Clean the face with gentle face cream for 3 minutes.

Remind: clean the hands of operator and the handpiece with bromogeramine.

2.3 Preheating

Start the equipment after face cleaning, preheat for not less than 3 minutes (without lighting the xenon lamp).

2.4 Shaving

Shave the unwanted hair of the treatment area(2 minutes).

2.5 Gel coating

Coating the gel evenly (2-3mm) on the skin.

Effect：light guide, cooling, anaesthetisin.

Attention: no coating on eyes, eyebrows, lips.

2.6 Eye protection

Operator: wear the safety goggles.

Patient: close the eyes, wear professional safety goggles or cover the eyes with eye patch.

2.7 Allergic test

Emit 2 or 3 light spots in the bottom of ears in safe parameter, observe for 3 minutes.

Effect: do not continue to operate if there is a allergic phenomena.

2.8 Operation

Carry on the operation with a suitable parameter to the operatee.

Attention：

2.8.1 Inform the operatee that there will be a slight pricking in operation before operating, to avoid panic.

2.8.2 Start the operation with a low energy grade, adjust the parameters in operating while asking

the feeling of the operatee.

2.8.3 Move the light spot by one spot overlapping the upper 1/3 part of the previous spot.

No emitting one area repeatedly, otherwise may cause inflaming or burns.

2.8.4 The handpiece should touch the skin vertically, no over pressing or leaving the skin.

2.8.5 Observing the reaction of skin while operating.

2.9 Cold compress

Keep gel coating for 20 minutes after operation ending; carry out cold compress in obvious slight reddish reaction till reddish fading away.

2.10 Cleaning

Clean the gel with cold water, coat corresponding cosmetics.

2.11 Treatment Course

Skin Rejuvenation Program: 30-45 days/time 4 times/course

Hair Removal Program: 2-3months/time 3times/course

2.12 **Special reminding**

2.12.1 Ask the client before treatment: is there a allergic or not; is there a bad reaction before for similar operation; fill the Client File concretely. Adjust the parameters on the basis of full acquaintance of the condition of operatee. Inform the operatee the possible reation in operation before operating.

2.12.2 In large area treatment or long time continuous operating, the water inside the equipment will warm up and the handpiece will be hot, interrupt the operation to refresh the water or leave the water cool down to continue operating.

2.12.3 Refresh the circulating water in one month; use purified water or medical distilled water.

Ⅲ. Operation Instruction

3.1 Before starting the machine

3.1 Accessories connecting：

3.1.1 Connect the handpieces, filters, and probes:

3.1.1.1. Put the handpiece on the hanger

3.1.1.2. Connect the handpiece:

Connect water pipes (2), signal wires (2, black-to-black, red-to-red), xenon lamp wire, and RF

wire to the corresponding jacks on the backboard tightly.

3.1.2 Check the water holes of the backboard, make sure the water outlet hole is plugged well.

3.2 Water infusing:

3.2.1 pull out the plug of the water inlet hole，insert the water funnel

3.2.2 infuse water till water spill out from the spillway hole.

3.3 Checking

3.3.1 Make sure there is no water leaking;

3.3.2 Make sure there is no moisture or wet for electricity connecting parts;

3.3.3 Make sure the key switch is in the off position;

3.3.4 Make sure the emergency stop switch is in the on position.

3.4 Starting the equipment

3.4.1 Connect the power cord, turn on the key switch;

3.4.2 Double confirm there is no leaking of water circulation, fold the protective cover by turning it right.

3.5. Debugging

3.5.1. Make sure water and electric circuit is correct connected; then turn on the power to start the machine.

3.5.2. Turn on the master power switch on the backboard;

3.5.3.Turn on the emergency switch (clockwise turn) in the front side of the mainframe

3.5.4. Turn on the key switch (clockwise turn);

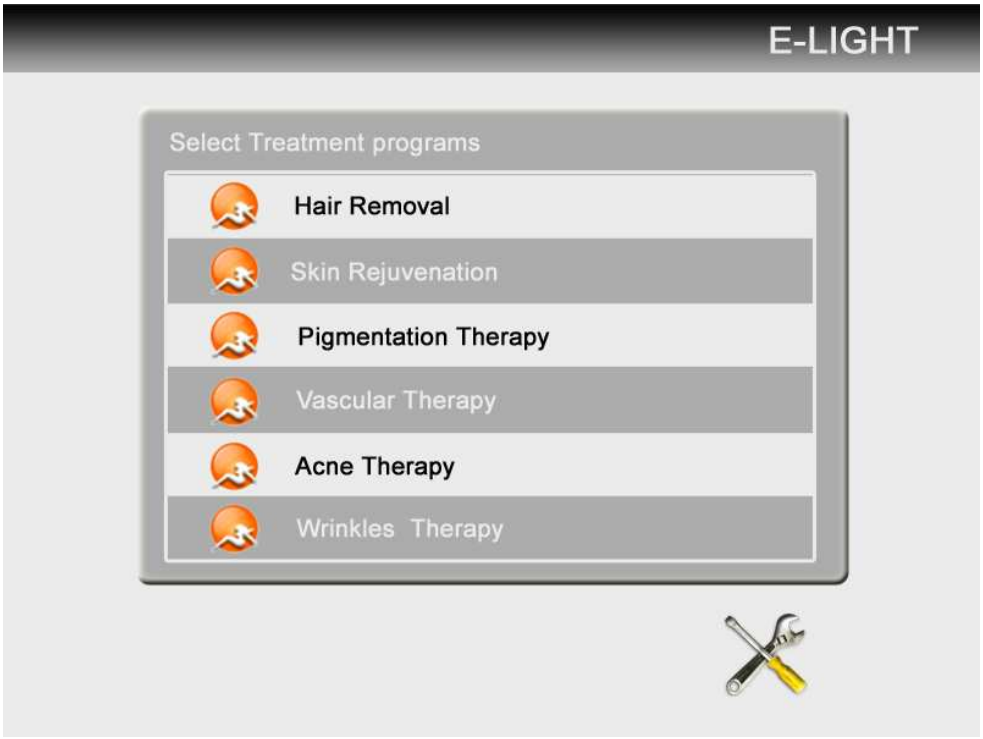
3.5.5. Check is there any leaking of the water connectors.

3.5.6. If the above is checked OK, put the wire cover into the neck on the backboard then turn deasil to get fixed.

3.6. Operation

Enter operation condition after debugging and no abnormalities found.

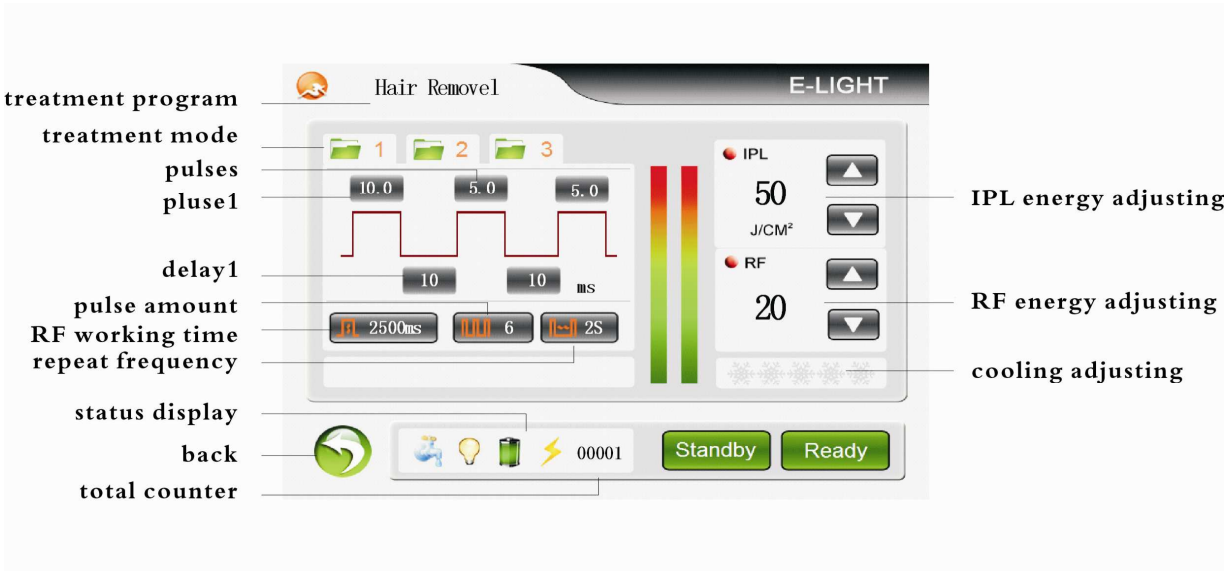
3.6.1. Treatment Selecting Interface



Treatment Selection Interface

Select the wanted treatment program by clicking.

3.6.2. Operation Interface



Operation Interface

Treatment mode: 3 groups of different parameters setting.

Pulse1： working time of the first pulse, 1-10ms adjustable.

Pluses：sub pulse width：irradiating time of other light except the first pulse, 1-10ms adjustable.

Delay1: 1st pulse delay: delay time of the first pulse irradiating

Pulse amount adjusting：pulse amount of each irradiating

RF Working time: working time of RF,50-2500ms adjustable.

Repeat frequency：interval between two spots, 1-4s adjustable.

Total counter: accumulated spot times of the xenon lamp;

Status display:

water circulating status

lamp stauts

charging status

simmering indicator

back：return to the previous interface

IPL energy adjusting：increase or decrease the IPL output energy.

RF energy adjusting：increase or decrease the RF output energy.

Cooling adjusting：adjusting the cooling level

Ready：click ready, the lamp of the handle will be lightened up, and light will be simmered by press the button on the handle

Standby：click standby, the lamp will be lightened off. Click standby when treatment finish to turn off the handle.

3.8 Treatment Advice

3.8.1 Freckle, age pigment: strong pricking for the first treatment (under the tolerance of the operatee). One minute after receiving emitting, there will be a slight reddish, which will fade away in 10 minutes, (for someone special, maybe 30 minutes). Punctuate pigment will appear on the surface of skin and will be metabolized in 3-7 days. The one-off curing rate of freckles by using E-light is 60%-80%, normally freckles could be cured in one course of treatment.

Parameter control: Long pulse width, short interval, medium energy.

3.8.2 Chloasma: Light pain, light reddish, redness disappear in 5 minutes. After radiation, the pigments become darker first in 10 days, and decline in 15 days. Don’t adjust big parameter value to treat chloasma. 1-2 treatment course needed for chloasma.

Parameter control: Short pulse width, long interval, low energy.

3.8.3 Epidermis spot: The most difficult one, so the treatment time is longer correspondingly. IPL+ is the best way of removing epidermis spot. With the cooperation of using laser, 7-8 times radiation will cure the spot.

Parameter control: Long pulse width, short interval, medium energy.

3.8.4 Acne scar and other pigmentation: Patient would have a strong pain (under the limit of patient). Pigmentation will decline in 3-7 days.

Parameter control: Long pulse width, short interval, high energy.

3.8.5 Vascular, redness: Using high pulse width on the basis of easing the skin.

Parameter control: Long pulse width, long interval, suitable energy.

3.8.6 Bulky pore, black head, acne: Strong pain under the limit. Blackhead and oil comeout in 2-3 days, and disappear in 7 days.

Parameter control: Long pulse width, short interval, high energy.

3.8.7 Winkle, pouch, black circle: Light pain.

Parameter control: Short pulse width, long interval, suitable energy.

3.8.8 Skin rejuvenation: Strong pain under the patient limit, reddish; redness disappear in 10 minutes. No suggesting repeat operation.

Parameter control: Long pulse width, long interval, high energy.

3.8.9 Hair Removal: Strong pain, follicular orifice will become a little reddish, with a burning smell. Caution for arms, lips, and legs hair removal, avoid pigmentation by over high energy. According to the growing period of hairs, growing period- maturation period-rest period, 3 times of treatment will remove the hair completely.

Parameter control: Long pulse width, long interval, suitable energy.

Special Attention:

For the sensitive and dark skin, there might be delayed reaction in 24-48 hours, therefore do not raise the energy casually. Adjust the parameter value according to the whiteness of skin. The

whither, the higher endurance of the skin is. For dark skin, please pay more attention to use long interval and suitable energy of parameter value.

Ⅴ. Safety Notice

4.1. Safety of E-light

The equipment takes maximum consideration of the safety of both operator and operatee in the designing, the following are some safe measures of it:

- Circuit self-checking after machine starting;
- Using filter/light guide crystal, strong pulse light comes out only from the front side of the handpiece.
- Designed with independent safety circuit, electricity could be shut down automatically when the IPL power is to high;
- Emergency stop switch, shut down the power in emergency;
- Key switch to avoid starting the machine by any people;
- Use high quality engineering plastic frame, preventing electricity creepage.

【Alarm】

All strong pulsed light device may cause hurt by improper handling. Operators should keep vigilant and take necessary protection measures according to the manual.

Operatee: Carry out the treatment in the professional treatment room; take effective eye protecting measure;

Operator: wearing protective glasses;

Treatment room：marked the treatment room clearly with in operating of IPL.

To ensure to the safe use of the equipment, please read the following instructions carefully.

- No one except technician authorized by the manufacture could dismantle or repair the equipment, especially for the power source, handpiece; high voltage electricity inside;
- Voltage rating: 110-120V;
- Maintaining the equipment after disconnecting the power cord;
- Keep the handpiece clean all the time; do not let the gel leaking into the handpiece;
- In case leaking of the handpiece, do not start the equipment; already started, turning off

immediately;

- No emitting light to one area repeatedly, otherwise may cause inflaming or burns, and may leave pigmentation.

【Alarms of Strong IPL】

- IPL may hurt the eye or cause burns or fire, take all necessary prevention measures before operating;
- Emitting too much light to one part may burn the skin which may cause pigmentation;
- Do not watch the IPL light directly from the handpiece even wearing protective glasses;
- Do not emit the light to the air; keep the handpiece on the hanger when not using it.

4.2. Electricity & Machinery Safety

- Keep all the boards closed, open the board may bring danger;
- There is high voltage electricity inside, some parts still carry electricity even after turn off the power, therefore, do not dismantle the backboard without under supervising by our technicians;
- Do not move the equipment by pulling the handpiece;
- Do not use the equipment in inflammable and explosive environment;
- Do not use alcohol or acetone before treatment;
- Do not start operating before the handpiece dry enough after clean the handpiece or other parts of the equipment.

Ⅵ. TABOO

The following people is not suitable to be operated by the machine:

1. pregnant, high blood pressure, heart attack, diabetic;
2. allergic to IPL;
3. open wound parts;
4. people who could not avoid strong sun light;
5. scar, birthmark, or mole higher than the skin.

Ⅶ. Attentions After Treatment

1. Not using irritative makeups;

2. No hot water face wash or sauna in 7 days;

3. No stimulating food or pigmentary food as chocolate, coffee; no smocking; no drinking;

5. No scratch in case of scabbing;

6. Make a water replenishing care in 10 days.

Ⅷ. Warranty Policy

The warranty of equipment is one year from the date of supply. During the warranty period, we undertake to repair free for the equipment supplied against all manufacturing and workmanship defects.

The standard of operation and environment should comply with the product specification and user manual.

The warranty does not extend to any equipment that:
a. Malfunctions caused by abused operation
b. Malfunctions caused by modification or repair by anyone except EASYLASER or not authorized by EASYLASER; from which EAYLASER original serial number tag or product identification markings have been altered or removed
c. Malfunctions caused by other artificial factors like move or tear down in proper motion, or collision, etc.
d. Malfunction caused by uncontrollable natural force
d. Energy reduce caused by wet environment and dust
f. Consumable parts of the equipment: handpieces.

Operation begins after cleaning face

1. Smear the gel on the face about 1 mm.
2. The energy should be adjusted generally like this:
   Adjust energy from 2 when you treat around eyes with the 15MM treatment head.
   Adjust energy from 3 when you treat the face with 20MM treatment head.
   Adjust energy from 4 when you treat the body with 30MM treatment head.
   You must take the energy testing on the customer's sensitivity. It will be best when the customer feels a little hot. Please add the enery if customer have no feeling, but the energy must be added one by one!
   You should turn up the refrigeration when customer feel hot but you don't want to reduce the energy.
3. The first treatment, keeping the treatment head moving as circle on the face in clockwise direction.
   From jaw to bottom of ear
   From corner of mouth to middle of ear
   Form side of nose to temple
4. The second treatment, keeping the treatment head moving as a line on the face.
   From jaw to bottom of ear
   From corner of mouth to middle of ear
   Form side of nose to temple
   From down to up

Alerts: Press the red botton after you put the treatment head on the face while loosen it before take the treatment head away form the face. Keep two polars on the treatment head on the face at the same time all the time.

5. Change the 15mm treatment head on when you treat around eyes.
   Pay attention to keeping treatment head has a distance from the eyes.
6. Change the 20mm treatment head on when you treat forehead.

Please moving the treatment from down to up if the wrinkle is thwartwise.
Please moving the treatment from middle to left or right if the wrinkle is vertical.

Remarks:

A. Please repeat the treatment 3 to 5 times or keep a treatment lasting about 45- 60 minutes.
B. You could keep the gel on the face lasting half an hour after treatment.
C. The interval of two treatment is a week and 8 times is one course of the treatment.
D. The body treatment has the same way of face.

Face:

Keeping the patient's head second light. Start from the left cheek. Smear equably collagen 1 mm in thickness onto face. The collagen is specially for dispelling wrinkle. Starting a test on sensitive part of the patient and adjusting the value to those that can make the patient feel heat. Refrigeration can be adjusted according to patient's skin sensitivity. If it is too hot, refrigeration can be adjusted up.

a. from chin to Chengjiang point (named cheng chiang point also, located just below and next to the lower lip);

b. from Chengjiang point to Tinggong point (named t'ing kung point also);

c. from Dicang (named ti ts'ang also) to temple.

Each step should be repeated 3-4 times.

Law grain:

Operation on law grain should be from the bottom up along the grain trend.

Finishing the two cheeks before treatment on ocular region and forehead.

Around eyes:

From inner eye comer to tails of the eyes, strengthening the treatment aiming at pouch, dark eye socket and fine wrinkle at canthus. According to the patient's reaction, increasing energy to that the patient can bear. One more treatment can be made if the problem around eyes is serious. When to cure part around eyes (the region between the upper and lower eyelids should be covered with absorbent cotton to prevent gel from going into the patient's eyes), it should be pressed lightly but not too forced (skin of ovular region is too thin). The treatment head should not be away from or touch thoroughly skin.

Forehead:

Using lift skill from eyebrow sides to hairline, from the bottom up, aiming at forehead wrinkle, (treatment head is parallel to grains) grains like a Chinese character-川, the treatment should be strengthened. Operating on the other side after the comparison with uncured part.

After the forehead, using lift skill, from the bottom up, operating on from chia ch'e to temple, then to hairline. 3-5 times should be made on each side.

Chapter VI Safety Notice Things

1. Contraindication of IPL:

a. Pregnant, high blood pressure, cardiopathy, diabetes

a. Irritability skin

b. The open scar part

c. Don't shun the sun in long time

d. Stop using the efficiency products in 1-3 months, essence oil in 1-2 days, and cleared acne in

three days

2. Instructions for using IPL:

a. There is dangerous high-voltage inside the equipment, please make the panel board and blind flange closed.

b. The light head must hang on the tieback when you don’t use it.

c. The light head should point at the operated position, because it sends out high-intension pulse light. Make sure the safety of the medical personnel and sufferer. Don’t see the light directly even you wear the protection glasses.

3. Reflection and nursing after IPL treatment

a. Don’t use the efficiency cosmetics

b. Don’t use the hot water to wash face and don’t take massage

c. Don’t eat the stimulus thing and pigmentary food, such as chocolate, coffee. No cigarette and alcohol

d. Pay attention to prevent sunstroke

e. Don’t scratch the skin even if there is scab

f. Water replenishing 10 days later

4. (1) **People as follows cannot be operated on with RF:**

a. Treatment of ice electric skin lifting should be made unless 3 months later, if a patient is injected with Hyaluronic Acid, collagen and creatoxin.

b. People with heart disease, high blood pressure, blood vessel disease; pregnant women and people who are sensitive to electricity;

c. If treatment part has open cut, serious skin disease and if under-skin weighting material, ice electric skin lifting shall not be made. It can be made half year later if spun gold is implanted; No make up on treatment day, or cleaning the treatment part before the operation.

(2) **Reflection and nursing after RF treatment**

a. If there is the feeling of warmness, hotness, swelling, it will disappear in several hours;

b. Only a handful of people can feel light swelling after treatment and it will disappear in 3-5 days;

c. Make-up can be made at once after treatment. Paying more attention to keep humid and

avoid sunshine at usual;

d. People cannot take therapeutic baths in one week after treatment; washing face using 37 ℃ water. Don't go to sauna.

5. Instructions for Operation

a. During operation, loosing the treatment switch before the switch leaving from skin (If a treatment head is leaving from skin while the switch is on, it may scald skin). Energy shall be adjusted according to patients' sensitivity;

b. During operation, treatment head should be pressed to skin and treatment head should be pinned by hand. The treatment head should be perpendicular, but not slanted to the surface of skin;

c. Coupling glue should be smeared to coupling part of treatment head;

d. Strength on sensitive parts, such as cheekbone or around the eyes, should be light. It is Ok that treatment head is lightly pressed to skin;

e. Mostly 3-4 times of treatment should be repeated;

f. It is not allowed to sprinkle alcohol to the treatment head for antisepsis;

g. During operation, energy should be adjusted from low to high. High energy brings good effect, however, it must be in patients' endurance;

h. Never operate on larynx, eyeball, temple and nose;

i. During operation, it should be cautious to operate on thin skin and parts where has vascularity;

j. After operation, it is normal that skin becomes light red. It will disappear in half an hour.

6. Reflection and nursing after RF treatment

a. If there is the feeling of warmness, hotness, swelling, it will disappear in several hours;

b. Only a handful of people can feel light swelling after treatment and it will disappear in 3-5 days;

c. Make-up can be made at once after treatment. Paying more attention to keep humid and avoid sunshine at usual; People cannot take therapeutic baths in one week after treatment; washing face using 37 ℃ water. Don't go to sauna.

Chapter VII Document for E-light

A. Document for RF Ice Electricity Skin Lifting

1. Why to choose RF Ice Electricity Dispel Wrinkle?

   Five reasons to choose RF:

   a. Sharing and enjoying the dignity and honor with the statesmen, the famous model and the super stars.

   b. The collagen of the skin can growth: The frequency can reach into the depth of the skin, and stimulate the collagen tissue. As a result, the collagens can rebirth incessantly so as to realize the skin's tighten and lifting.

   c. High safety: The temperature of the cuticle is constant. No need to get operation, no need to being anesthesia, no need to get injection.

   d. Tightening the skin promptly: The collagen can shrink at once at 45℃-60℃, so the flabby skin can be lifted and tightened instanter.

   e. Rebirth long-term duration: The collagen of the skin can rebuild and rebirth step by step between 2 and 6 months after receiving cosmetology. The skin becomes velveter and the wrinkles become shallower, so you look younger.

2. Do we need special care after treatment?

   You needn't special care, but we suggest that you must be careful when you need the skin care cosmetic, including all the functionality cosmetic such as speckle removal frost , wrinkle removal frost and all the kinds of chemic exfoliated cure, it also be called exchange skin cure. You are also be forbidden to use skin grinding and facial grinding cleanser. And it's important for you to against sun burnt and keep the skin's moisture.

3. How times a period of treatment? How long can the effect keep?

   You can take the treatment one time a week, and eight times belong to one period of treatment. You can feel the skin tighten at once as soon as you are receiving the treatment. The effect will become more and more distinguished. The effect of the treatment can keep different times according to the different treatment parts. The effect can keep longer if you take good care of you health maintain. According to the newest investigation, the effect can keep longer if you keep using the machine, so we suggest that you receive the cure every 3-6 months.

4. What are the differences between RF Ice Electricity Dispel Wrinkle and Electric Wave Dispel wrinkle?

   Both are using frequency, but we suggest that you must be care when you receive the RF treatment. Because some kind of machines don't have the cooling system, you must make the cuticle's temperature keeping at 1℃ in case the skin is burnt.

5. Are the same of the effect between RF Ice Electricity Dispel Wrinkle and Laser Impulse light?

   One same feature between Laser of Radium-therapy and Impulse light is that they cure the skin with light, and they produce the energy depending the skin's color. And the energy can reach into the skin 2mm below the subcuticular but cannot reach the depth of the skin. The energy that produced by frequency can reach 15mm below the subcuticular, so the effect can keep longer and deeper.

6. What the skin and the appearance will be change after receiving the treatment?

   87% of the people who use the RF can be seen tighten because of enough collagen. The next the mother cell of the dermis can rebirth new collagen, and keep tightening and lifting the flabby skin so as to making you look younger and younger, and the wrinkles become decrease and rebuild the tighten line of the face.

7. How long can I see the effect?

   The main purpose of the RF is to make the skin appear close immediately, and it's common to receive the treatment 4-5 times so as to receive the obvious effect. Then the skin's model shape will be obvious after 6 months with the rebirth of the collagen continually.

8. What are features of the double pole?

   a. The positive pole and the negative pole will have effect on the same interface.

   b. The depth that the frequency can penetrate is the half of the distance between two electrodes.

   c. The effective depth is 15mm.

   d. The temperature of the subcuticular can reach above 60℃.

B. Document for E-light

1. How to use the E-light?

Before treatment, you should spread on a layer of condensing glue. You may also be asked to wear protection glasses to prevent from shining by violent light. During the treatment course, you put the light conduction of the cure head on the certain skin, and release the pulse light. There is on pain in the treatment just only a little hot feeling. It takes about 30 minutes once and needs 3-5 times in order to get to the ideal effect.

2. Is the E-light safe? Can damage the skin?

The E-light skin rejuvenation technology is non-desquamation therapy. There will be no side effect as long as you choose the advantaged equipment specialized company and well-trained

beautician.

3. What are mechanizations of E-light?

There will be more RF frequency goes through the advanced heated tissue. RF can be conducted well in the blood.

4. What are distinguishes between E-light and E-light skin rejuvenation series?

	Laser/photon	E-light
Function Principle	Making use of target tissue selectively absorbing specific wavelength	Controlling special target tissue absorbing energy according to different skin impedance
Comparison of Characteristics	C. No effect on light-color hair. Making use of target tissue selectively absorbing specific wavelength; D. Light energy is absorbed by pigment in cuticle. Be somewhat dangerous for dark skin. The deepness the light penetrate into skin is not more than 4mm; E. Only 30-40% of energy is absorbed; most of the rest is reflected or refracted.	F. Effectively used for pathological changes in any color. Controlling special target tissue absorbing energy according to different skin impedance, including target tissue whose color is similar to that of skin; G. Energy is pushed into deep skin on the premise that energy is precooled; H. Reaching 15mm under skin at most; I. Light energy is used mainly to adjust impedance of target tissue to prevent major energy from being reflected and refracted; J. Be equipped with all superiorities of optics treatment.

5. Why can E-light cure shallow fuzz?

A traditional intense pulse apparatus is in a good effect in thick black hair, but it has big problems in dispelling shallow fuzz, such as lip hair. That because a traditional intense apparatus can only outputs intense light which has strong function on hair shaft. Hair shaft absorbs light energy, which will be converted to be heat energy. Heat energy will be conducted to and damage hair follicle. However, when hair shaft is too thin or too light in color, heat energy will not be enough to damage hair follicle. E-light wrinkle dispelling system not only outputs intense light, but also relys on 4-15mm RF energy to damage hair follicle directly, but not only depends on hair shaft for conduction. Therefore, E-light can dispel all kinds of hair, even those thin, small, light, golden and white hairs.

6. Superiorities of E-light comparing with other methods:

a. Clinic effect is strengthened. Effect on erythema, splash, freckle and capillary vessel dilatation in improved remarkably;

b. Patients feel more comfortable. Effect is better. Acting more quickly. Little side effect after operation will arise;

c. Risk of complicating disease is lowered. Applying to IV and V skin and brown skin.

Process of E-light dispelling speckle

a. A period of treatment consists of 4 treatments. The interval of every two treatments is 28 days;

b. Eyes shall be well protected before a treatment. Painting 20% glutamic acid onto treatment part or the whole face 10 minutes before the treatment;

c. No need of local anesthesia;

d. E-light technology adopts multiple-function treatment head with 530-1200 broad spectrum to dispel speckle;

e. Asking patients for feelings during the operation and observing changes of skin at the same time;

f. Avoiding sunburn 48 hours after an operation.

7. Is the E-light safe? Can damage the skin?

The E-light skin rejuvenation technology is non-desquamation therapy. It provides a treatment method of nonintervention to adapt different skin. Therefore, it is safe and causes no damage to skin.

8. Superiorities of Skin Rejuvenation

Traditional skin rejuvenation technology adopts the grinding way and chemical deep-seated

exuviations. Then laser dispelling deep-seated winkles method followed. Although these methods have a certain remedy for some parts of skin aging treatment, patients usually need a rest from work and oppressive pain is accompanied. Potential side effect and shutdown seriously cause loss of revenue.

9. Outstanding features of E-light technology:

a. Curing and polishing up whole face;

b. No need of shutdown or rest;

c. Treatment time is short, only 15-20 minutes;

d. No side effect.

10. How the treatment with E-light skin rejuvenation goes:

Normally, condensation glue shall be smeared onto the treatment part and the operator shall wear deep-color goggle to guard against intense light 10-30 minutes before the treatment. Then the treatment can be on. Put the light guiding crystal of the treatment head onto the treatment part and shoot the pulse light. The patient may feel slight being nipped, just like being struck gently by elastic. It doesn’t need anaesthesia. The whole period of treatment includes 4-6 treatments in order to achieve the best effect, generate the least side effect and get satisfaction. Each treatment takes 15-20 minutes.

11. How many times of E-light treatment for satisfying effect?

The times are subject to the size and pathological degree of treatment part. There are normally 4-6 treatments in the whole period of treatment. Remarkable improvement can be seen every time after a treatment.

12. Why are repeated treatments required?

The purpose of dividing the whole treatment into several small treatments is to lower the danger of side effect while the skin is improved. The most important thing is that patients need not to leave from work. They can go to work immediately after the treatment. That is the treatment mode that modern people are seeking.

13. Dose skin need nursing after treatment?

No special deep-seated dispelling wrinkle method is required. Although these methods have a certain remedy for some parts of skin aging treatment, patients usually need a rest from work and oppressive pain is accompanied. Potential side effect and shutdown seriously cause loss of revenue.

14. Does E-light remove hair forever? Does E-light affects perspiration negatively?

Pulse light of special spectral coverage delivered by the apparatus can penetrate skin and reach the root of hair follicle directly. Melanocyte in hair follicle absorbs the light with specific wavelength and makes hair nipples generate heat. In this way, hair nipples are broken selectively. Accordingly, hair is removed and skin is rejuvenated while there is no damage to ambient tissue.

For reason that there is a space between sweat gland and hair follicle and sweat gland has no melanocyte therein. Therefore, sweat gland cannot be hurt and perspiration is not affected negatively.

15. Will the pathological changes recrudesce?

Pathological changes of transmissibility will not recrudesce, i.e. freckle and facial vascular lesions (Telangiectasis) of transmissibility; pathological changes caused by maladjusted incretion may recrudesce, which needs patients to improve their diet structure and law of life. Unhairing is permanent.

16. Is nurse required for skin after a treatment?

No special nurse is required. But insolation and irradiation by ultraviolet radiation shall be avoided in 24 hours. The interval between every two treatments is 21-45. The improvement of the whole face can be seen after a treatment. All facial flaws, enlarged pores, matted skin and other abnormal status caused by insolation and light aging can be improved remarkably or removed. The E-light skin rejuvenation can also improve skin's deep level to make the skin smooth and rejuvenated and can be used on neck, breasts and other parts of human body.

C. Knowledge about Skin

1. More Advantages. It can improve various skin flaws:

The treatment mode of IPL has breached the limit of traditional partial focus treatment, which can cure the whole face. The E-light apparatus can also cure the diseases as follows: capillary vessel expanding, erythema, pigment, petty wrinkle, sunburn, brown splash, enlarged pores, whiten skin. The treatment results show that over 75% of skin of 49% of patients has been improved. Facial erythema (75% of patients) and capillary vessel expanding (49% of patients) have been improved. The improving rate of wrinkle of 73% of patients has reached 25%, wherein the improving rate of 36% of patients have reached more than 50% and the improving rate of facial wrinkle and enlarged pores of 76% of patients has reached over 50%. In clinic reflections, skin structure, petty wrinkle, atactic pigment, enlarged pores and capillary vessel expending of all patients are improved.

2. Treatment on the whole face to improve skin's character in order to resume skin's flexibility:

New collagenous fibre produces smooth structure: pores become large, petty lines and wrinkles become less and can be reduced to utmost-to make skin more flexible.

3. Excellent results after 14 months and positive appraisal from patients.

Many treatment cases show that the long-time data of treatment with IPL technology is 14-18 months of patients with facial erythema and red face after treatment. The status of 80% of patients is the same as that after their last treatments. Few people get purpura edema. Most people's convalescence is 1-5 days and two treatments with an interval of 21-45 day leads to better curative effect. There is no report about scars in all of cases. The IPL technology indeed provides safe treatment of nonintervention and non-exfoliation for people with love of beauty and is accepted by general suffers.

4. E-Light Skin Rejuvenation is a nontraumatic technology:

Traditional skin rejuvenation technology adopts the grinding way and chemical deep-seated exuviations. Then laser dispelling deep-seated winkles method followed. Although these methods have a certain remedy for some parts of skin aging treatment, patients usually need a rest from work and oppressive pain is accompanied. Potential side effect and shutdown seriously disturbs normal life and work. Photon skin rejuvenation adopts the treatment of nonintervention and non-exfoliation to rejuvenate skin with low-density energy. Accordingly, this technique brings no pain, no side effect, no shutdown and wins higher satisfaction of patients.

5. What is freckle?

It is a kind of small brown or filemot pigmentation on face and is autosomal dominant inheritance, which is serious especially in summer. The development of pathological changes is related to solarization. Freckle occurs mostly to women and emerges in childhood after the age of 6-7 usually. It becomes obvious in youth. Skin lesion due to solarization gets serious in summer but mitigatory in winter. Skin lesion is canary or filemot or brown splash, which is rotundity or elliptical or irregularly shaped. Freckle is concentrated mainly on face, especially from eyes to cheekbones.

6. What is chloasma?

It has another three names, which are butterfly spot, cloasma hepaticum and soot-black macules in physic. It is common and a frequently encountered disease for women. The incidence of the disease becomes more obviously and seriously for the past few years.

In the beginning, chloasmas are in light color. They may be multiple but gradually syncretize into spot in different sizes and shapes with clear borderline. They intersperse symmetrically on exposure parts, usually on cheekbones, forehead and cheeks. They have no subjective symptom.

Chloasma has three types according to their location: it is called superficial type one if it locates on cuticle, shallow-seated type if deep in cuticle and deep-seated type if in corium. This classification is mainly related to treatment. The deeper the location is, the longer the treatment

time is and the more difficult the treatment is.

Aetiological agent is very complicated. It may occur to healthy women from youthhood to climacteric. The incidence rate of chloasma caused by oral contraceptive reaches over 80%. Some chronic diseases, especially female diseases of reproductive system, such as menoxenia, adnexitis, acyesis, ovarian cyst and hysteromyoma, may cause chloasma. In addition, chloasma may be caused by other diseases, such as hepatopathy, chronic alcoholism, thyrotoxicosis, tuberculosis and viscera tumor. Many kinds of medicine may cause chloasma. It also can be induced and deepened by sunshine and hereditary factors, sleep disorder, psychic factor and so on are somewhat related to chlosama.

7. What is acne?

Acne is a familiar hair follicle thylacitis in youthhood. It is also called acne vulgaris and commonly referred to as whelk (Qingchundou in Chinese). Acne is usually found on face, sometimes looks like papilla, blain and so on. Sebum is often accompanied and overbrims. The pathogeny has not been clear yet but may be formed synthetically by various factors.

a. Androgen-mediated lipid overflow - androgen and its metabolites, such as dual-oxygen copper and sulfuric acid dehydrogenation Cremaster epidermal-steroidal copper increase, which strengthens the activity of sebaceous gland. Secretion of patients with acne skin is higher than that of normal people.

b. Funnel of hair follicle keratosis - acne patients' keratosis of of hair follicle funnel boosts up and its epicyte becomes thick and dense, so it is difficult to drop off. It has not been clear yet why the keratosis of of hair follicle funnel boosts up, but it may be related to free fatty acids in the cortex. In addition, the amount sebum linoleic acid of patients with acne is less than normal, which might be another reason.

c. Acne propionibacterium increases- acne propionibacterium belongs to anaerobic organism and is a resident bacterium. Why it increases may be related to funnel of hair follicle keratosis, sebum discharge blocking and relative anoxic environment.

d. Inflammation - acne propionibacterium excrete dissolved lipase, which will decompose the triglyceride into glycerol and free fatty acids. Glycerol and free fatty acids further stimulate gland wall keratosis, so the adenovirus mouth is blocked. Experiments prove that carbon atoms containing 8-14 can penetrate hair follicle and goes into corium and then causes more obvious inflammation. In addition, acne propionibacterium can not only produce dissolved lipase but also prolease, hyaluronidase and some chemotactic factor activating complement, which all can bring inflammation of the hair follicle sebaceous gland and papilla, blain, nodules and so on.

e. Acne caused by cosmetic – (a) improper cosmetics are used, i.e. people with oily skin use

oily cosmetics, making the hair follicle mouth metabolism sluggish. Hair follicles are blocked by hard, dense keratose substance, which leads to expand, these keratose substance forms keratose bolt, plugging in the hair follicle mouth. Accordingly, acne arises. (b) Some cosmetics containing substance of particles, such as a great deal of superfine titanium pigment, whose particles are agglutinated with sebum or stroma. It is easy to plug holes of hair follicle and causes acne. And young people indulge in the cosmetic, making light acnes serious.

Moreover, inheritance may be an important factor causing acne, and orally taking medicine containing iodine, bromine, cortex steroid and so on can make acne more seriously.

8. Six inducements making skin dark and spotted

Specifically, inducement causing skin black and spotted mainly is:

a. The arch-criminal-ultraviolet radiation;

b. Some sensitive food, such as animal liver and kidney, oyster, shrimp, crab, legume, walnut seed, currant and so on;

c. Drinking and smocking;

d. Some diseases;

e. Some medicine: quina, tranquillizer containing chlorpromazine;

f. External cause: rubbing skin hard when having wash.

9. How wrinkle come?

Wrinkle is the result of skin aging. Wrinkle is synthetically formed by internal cause, external cause and other factors.

a. Internal cause: in youth, skin is rich of moisture and all kinds of glands' body fluid are excreted noticeably. Skin is at its best time at this time. Wrinkle is not easy to arise. However, wrinkle will come and temporarily exist if skin is of over hydropenia for reason that skin is not taken good care or diseases arise. If moisture is makeup to skin once, the temporary wrinkle will disappear. But in middle age, the horny layer's ability of keeping moisture declines. Sebaceous gland is excreted less. Elastic fibers in corium are of denaturation and ruptured. Adipose layer decreases…. All these factors lead to skin's change. Wrinkle is the symbol of skin aging, which can be seen with our naked eyes.

b. External cause: skin is the surface layer, which receipts sunshine, wind, and dryness. These are all factors making more and deep wrinkles. We all know that people living on Qinghai-Tibet Plateau all have deep wrinkles on their faces. This is brought about by

wind and sunshine. Ultraviolet radiation in sunshine is one of the reasons for skin aging and wrinkles. Therefore, people should prevent skin from being sunburned. Sunburn prevention and moisture keeping are both important.

In addition, too much make-up is a direct harm to skin. All cosmetics are chemical. Although some cosmetics adopt natural materials, synthetics, such as coloring matters and flavors are also used in their production. Therefore, make-up provides beauty temporarily. It also damages skin and causes wrinkles.

What should attract our attention is that some wrinkles on women's face are caused by cortex steroids ointment used in external way, such as fludrocortisone ointment, triamcinolone acetonide ointment, compound dexamerhasone acetate ointment. These ointments lead to skin shrinking, thinning and wrinkles.

10. Four-step wrinkle prevention

Wrinkle can be divided into kinetic energy wrinkle and static energy wrinkle. Static energy wrinkle is a kind of wrinkle that can be seen even a person has no facial motion, i.e. part under eyes, at altercates. That is brought from skin aging and from cuticle and corium becoming thin. Kinetic energy wrinkle is a kind of wrinkle that can be seen when a person's face has a motion, i.e. wrinkles on glabella, sides of eye tail and forehead. But winkles can be also caused if a person's bodily form is thin with less subcutaneous fat.

According to external changes in different ages, wrinkle' formation can be divided into four stages: a. Mild aging stage: at the age of about 28-25. Fundamentally no wrinkle can be seen;

b. intermediate aging stage: at the age of about 35-40. Kinetic energy wrinkle arises;

c. relative serious aging stage: at the age of about 50-60. Static energy wrinkle arises;

d. most serious aging staging: at the age of over 60-75. Obvious wrinkles and skin prolapse can be seen.

11. Wrinkle arisen rate of all ages

Wrinkle arisen rate of all ages is recorded in percent form as follows:

At the age of 18-29: wrinkles arise on 44% of women' forehead

At the age of 30-39: wrinkles arise on 56% of women's glabellas

At the age of 40-49: wrinkles arise under the eyes of 72% of women and on glabellas of 75% of women

At the age of 50-59: 65% of women have goosefoot lines and 60% have nose-chin veins.

12. How sensitive skin comes?

Is delicate skin easy to form sensitive skin?

No exactly. Sensitive skin is divided into congenital type and postnatal type. The former one is related to inheritance. It is usually sensitive skin. The later one is related to many factors, such as: a. environment, season alternation. Lines are caused by changes of humidity, air pollution and ultraviolet radiation; b. internal disease and incretion disorder, i.e. long-term disorder of stomach and intestines' function; c. unbalanced nutrition and long-term innutrition; d. spirit, long-term instable spirit, high pressure and excessive blahs; e. medicament, i.e. skin may has dependency on medicine if keeping using punchy or steroids medicine; f. improper maintenance, i.e. skin is cleaned excessively using alkaline products, or excessively remove cutin.

13. How hypersusceptibility comes?

There are four factors that tend to bring and induce hypersusceptibility:

a. Food: irritative food, such as seafood, pollen and capsicum and so on;

b. Medication: eternal medicine, such as liniment, lintment; medicine, such as aspirin, anodyne, diuretic and so on;

c. Cosmetics: alcohol, coloring matter, flavor, antiseptic and sun-screening agent, and hair dye, cold wave lotion and so on；

d. Eyewinker: such as animal hair, leather goods, K gold, oil paint and so on.

14. Why sensitivity and hypersusceptibility occur?

Healthy skin has a layer of natural protective membrane-sebum membrane. In normal conditions, it contains about 5%-7% of axunge, 20%-30% of moisture, both of which are in subacidity. It can prevent not only moisture from excessive evaporation, but also ultraviolet and air pollution from hurting skin. Once sebum is damaged, moisture-keeping function will become weak, skins is getting dry, itch, even peels, and becomes weak in guarding against cold and hot and pressure. In this situation, we can see inflammation, red in some parts of skin. That is sensitivity.

Hypersusceptibility refers to that a series of reflection will arise when skin contacts anaphylactogen.

15. Characteristics of hypersusceptibility and sensitivity:

Characteristics of sensitive skin are: a. hair pores are closed and fine. The surface of skin is dry, coarse. Skin is thin, and capillary vessel and asymmetric rubeosis can be seen; b. dryness and itch tend to occur to surrounding of eyes, mouth margin, arthrosis and so on. c. many cosmetics and some medication lead to hypersusceptibility, which is marked by partial rubefaction, itch and anthema if not serious, and swelling, exuviations, many irritable pimples, water seepage and even exuviations in large area and fever heat on the whole body if it is serious.

16. Treatment of hypersusceptibility and sensitivity:

Words from exports:

a. For sensitive skin, irritative food and herb cosmetic should not be eaten and used; no contact on hotness, alkali and electricity; do not rub skin excessively; avoid being irradiation by ultraviolet radiation and wash face with cold or warm water.

b. Once hypersusceptibility occurs, we should go to find out why. We should keep away from anaphylactogen. Simultaneously, adjusting immunity and improving sensitive constitution through eliminating free radical.

If hypersusceptibility occurs during nursing:

a. Stop using cosmetics. Have a treatment if it is not serious and smear antianaphylaxis medication if it is serious, and stop using the medication at once when the disease straightens up. If it is very serious, go to hospital for a treatment.

b. Nursing order in beauty parlor can be improved. The order is: cleansing cream-skin lotion- cold spraying (B6 vitamin or antianaphylaxis essence can be added)- shiatsu on facial points- antianaphylaxis collagen face mask- cold compress-basic maintaining.

Chapter VIII Maintenance

Daily Maintenance

[Notice] Our customers can only take the steps stated in this chapter for maintenance. Only technicians authorized by our company shall make other repairs.

[Caution]

a. The apparatus shall be turned off and the power supply shall be cut off. Maintenance with electricity on may injure both of the user and the apparatus.

b. If there are other problems on maintenance, please contact with our company.

1. The safety of E-light

E-light skin rejuvenation & hair removal apparatus is high-tech medical equipment, which safely dispels all kinds of facial flaws and unwanted hair on any part of human body. As long as an employee after training appropriately operates and maintains the apparatus, it is safe to operate. Security information in this Chapter can be understood completely by all operators or other staff or adjuvants. And the most important thing is to consider the safety for patients, operators as well as the other staff. Security is the first item considered in designing the E-light skin rejuvenation & hair removal apparatus.

Part of its security measures is as follows:

a. Self-inspection system is activated instantly when the apparatus is turned on and the system will monitor the circuit continuously in the operation of the apparatus;

b. Filter / light guiding crystal are used and transmitted onto skin. Impulse light can only shoot from the front of the light guiding crystal;

c. Independent safety circuit can be cut off when the intense light is too strong;

d. Using the red emergency switch to quickly cut off power supply if need;

e. Using the key switch, the apparatus can only be turned on by the appointed person;

f. High-quality molded shell is to prevent electrical leakage caused harm to person.

【Warning】

Any intense light device and harm the people if you operate improper. The equipment can exert high voltage, so people must pay attention when operating the device and take the necessary protection measures.

Sufferer: The safety of the sufferer depends on the high qualified director, and the operating room which decorates properly. The cultural quality of the sufferer is also important, they must know well the treatment principle, and the eyes of them should be protected.

Operator: The operator may contact with high-intension light, and she must wear special safety glasses.

Operating room: You must paste the notice that the high-intension light is working.

【Main Warning】In order to assure the safety of equipment, you must read the warning items following:

a. Anyone mustn’t examine this apparatus except the technician who has been authorized by ESC. Attention that dangerous high-voltage inside the machine.

b. Make sure that the specified voltage in accordance with the voltage in your own country.

c. You can maintain this machine only after you turn off the machine and power-line. It can make personal and equipment damaged.

d. The light head should keep clear and prevent the gule from permeating into the light head.

e. You must turn off the machine if you find the light head seeping water.

【Warning about Intense Light】

a. The intense light can hurt the eyes can cause fire, so you must take the protection measures.

b. Radiating excessive light to the cure part of the body can damage the skin and make the usual pigment increase.

c. You can't see the light directly.

d. Don't radiate the light to the skin. You should put the head on the hook hitch.

2. The safety of electricity and machinery

a. Keep both panel board and blind flange closed. It's dangerous if you open the blind flange.

b. There is still the rest electricity even if you disconnect the mains lead, so you can't take apart the machine except the technician.

c. You can't open the electricity when maintain the equipment.

d. The equipment weight more than 40 kilograms. You must pay attention when move it. Don't pull the machine by light head.

e. It is important for the earth wire to touch the ground.

【Prevent fire】

a. The temperature becomes high if object absorb the light, so we must take measure to decrease the number of the inflammable material.

b. Don't use the inflammable materials, such as ethyl alcohol. If necessary, please use the soap-suds and distilled water.

c. The light head must parch when use it.

【Warning】

Excessive light energy may cause heat damage for skin, and tissue hyperplasia or atrophy.

Explanation: You must tell something to the sufferer before the operation: (1) there may be a little uncomfortable. (2) There maybe transient flush phenomenon. (3) It takes several times to get to the ideal effect and gradual improvement can be seen in the whole period of treatment.

Chapter VIII How to adjust E-light parameters

At last the following parameters can only let you have a look at it, this is a reference for you

Remember:

1. Pulse number: it means how many pulses in a flash. The more pulses, the more powerful.
2. Pulse width: it means how long time a pulse works on skin. The longer, the powerful.
3. Pulse interval: it means the interval time between a two adjacent pulses. No pulse work on skin at interval times. This is to let skin have time to have a rest on treatment. If no pulse interval, skin cannot stand. So, the longer pulse interval, the less powerful.

Skin type: white

Pulse number	first pulse width	first pulse interval	second pulse width
2-4	4 --6	5-9	4---6

Second pulse interval	RF delay
5-9	300- 400

The light energy of IPL adjust from 2, RF energy you only use 1-3 is ok. IPL energy you can adjust it according to different skin you can increase or decrease energy

The respond after operation: Oxter become red, hair follicle putrescence, with smelled, other part feels stinging and heated a little red, no smelled the time between the fist treatment and the second time is 28-45 days

Skin type: black

Pulse number	first pulse width	first pulse interval	second pulse width
2-4	3-6	6-12	2-4

Second pulse interval	RF delay
6-12	300-350

The light energy of IPL adjust from 1, RF energy you only use 1-2 is ok. IPL energy you can according to different skin you can increase or decrease energy

The respond after operation: Oxter become red, hair follicle putrescence, with smelled, other part feels stinging and heated a little red, no smelled the time between the fist treatment and the second time is 28-45 days

Skin type: red

Pulse number	first pulse width	first pulse interval	second pulse width
2-5	3-5	5-9	3-5

Second pulse interval	RF delay
5-9	300- 500

The light energy of IPL adjusts from 1, RF energy you only use 1-2 is ok. IPL energy you can adjust it according to different skin you can increase or decrease energy

The respond after operation: Oxter become red, hair follicle putrescence, with smelled, other part feels stinging and heated a little red, no smelled the time between the fist treatment and the second time is 28-45 days

Skin type: yellow

Pulse number	first pulse width	first pulse interval	second pulse width
3-5	3--5	6-11	3-5

Second pulse interval	RF delay
6-11	300- 400

The light energy of IPL adjust from 3, RF energy you only use 1-2 is ok. IPL energy you can according to different skin you can increase or decrease energy

The respond after operation: Oxter become red, hair follicle putrescence, with smelled, other part feels stinging and heated a little red, no smelled the time between the fist treatment and the second time is 28-45 days

Skin type: brown

Pulse number	first pulse width	first pulse interval	second pulse width
2-5	2-4	4-12	2-5

Second pulse interval	RF delay
4-12	300-350

The light energy of IPL adjust from 2, RF energy you only use 1-2 is ok. IPL energy you can according to different skin you can increase or decrease energy

The respond after operation: Oxter become red, hair follicle putrescence, with smelled, o ther part feels stinging and heated a little red, no smelled the time between the fist treatment and the second time is 28-45 days

This situation is not unusually, so when you do operation on your customer please pay attraction:

1, Observations, when you do operation on your customer, once your customer skin become a little red or a little hot so the energy it’s ok, you can not increase it once again,

2, asking, you need ask your customer all times, what’s the feeling now? if she fell a little heat ,the energy maybe it’s his energy ,

Note :

1. The parameters only as a reference and shouldn’t be deemed to be absolute.

2. Observations of the skin reaction is crucial to the success of the treatment.

About RF parameters, you can enter into E-light and then turn off IPL and then you can adjust RF energy it’s ok

Please remember The RF head and E-light head can not use at the same time, it can only use it separately